

***** CONFIDENTIAL *****
***** PREDECISIONAL DOCUMENT *****

**SUMMARY SCORESHEET
FOR COMPUTING PROJECTED HRS SCORE**

SITE NAME: Glull Wood Products

CITY: Los Angeles **COUNTY:** Los Angeles

EPA ID #: CAN000905736 **EVALUATOR:** Amanda K.C. Reilly

PROGRAM ACCOUNT #: _____ **DATE:** Jul 2, 2008

LAT/LONG: 33° 59' 16" North -118° 14' 52" West

THIS SCORESHEET IS FOR A **PA:** X **SI:** _____

OTHER: _____

RCRA STATUS (check all that apply):

____ Generator

____ Transporter

____ TSDF

X Not Listed in RCRA Database as of

(Date): 23-Jan-06

STATE SUPERFUND STATUS:

____ DTSC CalSites (AWP, BKLK, ERAP,
or VCP) (Date): _____

____ WQARF (Date): _____

X No State Superfund

Status (Date): FY 06-07

	S Pathway	S ² Pathway
Groundwater Migration Pathway Score (S _{gw})	23.28	542.05
Surface Water Migration Pathway Score (S _{sw})	*	*
Soil Exposure Pathway Score (S _s)	*	*
Air Migration Pathway Score (S _a)	*	*
$(S_{gw}^2 + S_{sw}^2 + S_{se}^2 + S_{am}^2)$		542.05
$(S_{gw}^2 + S_{sw}^2 + S_{se}^2 + S_{am}^2) / 4$		135.51
$\sqrt{(S_{gw}^2 + S_{sw}^2 + S_{se}^2 + S_{am}^2) / 4}$		11.64

*** Pathway evaluated, but not assigned a score (explain):**

Surface Water: Stormwater runoff from the site enters the storm drain system, which discharges into the Los Angeles River. The Los Angeles River is located approximately 2.5 miles northeast of the site and does not have any associated drinking water intakes, fisheries, or sensitive environments.

Soil Exposure and Air: There are currently no regularly occupied residences, schools, daycare facilities, or terrestrial sensitive environments on site. In addition, the site is fenced, inaccessible to the public, and the surface is entirely paved or covered with buildings.

GROUNDWATER MIGRATION PATHWAY SCORESHEET

Likelihood of Release	Maximum Value	Score	Rationale	Data Quality
1. Observed Release	550	0	1	E
2. Potential to Release				
2a. Containment	10	10	2	M
2b. Net Precipitation Value	10	3	3	H
2c. Depth to Aquifer Value	5	3	4	E
2d. Travel Time	35	25	5	E
2e. Potential to Release [lines 2a x (2b+2c+2d)]	500	310		
3. Likelihood of Release (line 1 or 2e)	550	310		

Waste Characteristics

4. Toxicity/Mobility	(a)	1	6	E
5. Hazardous Waste Quantity	(a)	10	7	M
6. Waste Characteristics (lines 4 x 5, then use Table 2-7)	100	2		

Targets

7. Nearest Well Value	50	9	8	H
8. Population				
8a. Level I Concentrations	(b,c)	0	9	E
8b. Level II Concentrations	(b,c)	0	9	E
8c. Potential Contamination	(b,c)	3,089	10	H
8d. Population (lines 8a+8b+8c)	(b)	3,089		
9. Resources	5	0	11	E
10. Wellhead Protection Area	20	0	12	E
11. Targets (lines 7+8d+9+10)	(b)	3,098		

Aquifer Score

12. Aquifer Score [(lines 3 x 6 x 11)/82500, Subject to a Maximum of 100]	100	23.28
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GROUNDWATER MIGRATION PATHWAY SCORE

13. Pathway Score (Sgw) (Highest score from line 12 for all aquifers evaluated, subject to a maximum of 100)	100	23.28
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(a) Maximum value applies to waste characteristics category.

(b) Maximum value not applicable.

(c) Value computed on attached calculation sheet.

AQUIFER EVALUATED Gaspur through Sunnyside

GROUNDWATER PATHWAY CALCULATIONS FOR POPULATION

ACTUAL CONTAMINATION

Well Identifier	Contaminant Detected	Contaminant Concentration (Note Units)	Benchmark (Note Units)	Level Multiplier* (A)	Apportioned Population Well Serves (B)	Actual Contamination Factor (A x B)
SUM LEVEL I CONCENTRATIONS						0
SUM LEVEL II CONCENTRATIONS						0

* Level Multipliers:

Level I = 10.

Level II = 1.

POTENTIAL CONTAMINATION

Distance Ring (Miles)	Number of Wells Within Distance Ring	Population Served by Wells Within Distance Ring	Distance Weighted Population Values (Table 3-12)
0.00 to 0.25	0	0	0
>0.25 to 0.50	0	0	0
>0.50 to 1.00	2	8,894	1,669
>1.00 to 2.00	9	35,645	9,385
>2.00 to 3.00	9	47,522	6,778
>3.00 to 4.00	17	101,725	13,060
			30,892
POTENTIAL CONTAMINATION: SUM/10			3,089.2

AQUIFER EVALUATED Gaspar through Sunnyside

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HRS RATIONALE
Gluall Wood Products
EPA ID NO.: CAN000905736

1. The Gluall Wood Products (Gluall) site has manufactured unfinished and finished furniture since at least 1980. Other operations conducted on site include wood laminating and wood carving. Hazardous substances used on site include, but are not limited to: waste oil, paints and solvents. An observed release cannot be documented at this time because there has been no known groundwater or soil sampling at the Gluall site. A release is not projected because the property is entirely paved or covered with buildings. The 36 municipal drinking water wells within 4 miles of the site are not known to be contaminated with hazardous substances attributable to the site. In 2003, volatile organic compounds (VOCs) were detected in three drinking water wells located within 4 miles of the site. These wells are either offline or being treated prior to distribution. An EPA Region IX Site Screening/Prioritization Checklist conducted in June 2000 listed tetrachloroethylene (PCE) as being a suspected onsite contaminant, however, PCE has not been directly observed or documented on site.

References:

Aceves, Hank, Southern California Water Company, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, December 2, 2003.

Aceves, Hank, Southern California Water Company, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, March 3, 2004.

Cohan, Amanda, WESTON, Site Reconnaissance, Gluall Wood Products, May 11, 2004.

County of Los Angeles, Hazardous Materials Control Program, Industrial Survey, Maxco Woodworking and Manufacturing, March 5, 1990.

Rigg, Scott, City of Vernon, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, November 25, 2003.

United States Environmental Protection Agency, EPA Region IX Site Screening/Prioritization Checklist, Gluall Wood Products, June 23, 2000.

United States Environmental Protection Agency, GIS Report, Gluall Wood Products, February 13, 2004.

Williams, Jim, City of Huntington Park, Telephone conversation recorded on Contact Report by Denise Leong, WESTON, November 24, 2003.

2. On March 5, 1990, a Notice of Violation (NOV) was issued to the Gluall site for inadequate storage and illegal disposal of hazardous waste. A containment factor of 10 is assigned.

Reference:

County of Los Angeles, Department of Health Services, Notice of Violation and Order to Comply, Maxco Woodworking and Manufacturing, March 5, 1990.

3. A net precipitation factor value of 3 is assigned based on Figure 3-2 in the HRS Final Rule.
4. Depth to the uppermost aquifer beneath the site (Gaspur aquifer) is approximately 100 feet. A depth to aquifer factor value of 3 is assigned.

Reference:

California Department of Water Resources, California's Groundwater Bulletin No. 118, Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin, February 27, 2004.

5. Geologic materials in the vadose zone between ground surface and the top of the Gaspur aquifer are characterized as fine sand. Because there is little available information about the lithology beneath the site, a conservative estimation of 10^{-4} was assigned for hydraulic conductivity. The thickness to groundwater is approximately 100 feet, resulting in a travel time factor value of 25.

Reference:

California Department of Water Resources, California's Groundwater Bulletin No. 118, Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin, February 27, 2004.

6. Hazardous substances used on site include, but are not limited to: waste oil, paints and solvents. Information regarding the specific chemicals used onsite is not known. Common chemicals associated with wood paints and solvents include petroleum-based substances and acetone. Petroleum-based substances are excluded from CERCLA regulation by the petroleum exclusion. A toxicity/mobility value of 1 is assigned.

Table 1: Human Toxicity/Mobility Factor Values			
Hazardous Substance	Toxicity	Groundwater Mobility	Toxicity/Mobility
Acetone	1	1	1

References:

County of Los Angeles, Hazardous Materials Control Program, Industrial Survey, Maxco Woodworking and Manufacturing, March 5, 1990.

Seton Resource Center, Material Safety Data Sheet, Paint Thinner, www.setonresourcecenter.com, accessed July 2, 2008.

United States Environmental Protection Agency, Office of Emergency and Remedial Response, Superfund Chemical Data Matrix, January 27, 2004.

7. The hazardous waste quantity could not be adequately determined at this time. A default factor of 10 is assigned.
8. The Gluall site lies within the Central Subbasin in the Coastal Plain of the Los Angeles

Groundwater Basin. Throughout the Central Basin, groundwater occurs in Holocene alluvium and the Pleistocene Lakewood and San Pedro Formations. The aquifers underlying the Gluall site are, in descending order: the Gaspar, Semiperched, Bellflower, Gardena, Gage, Silverado, Lynwood, and Sunnyside. Throughout much of the subbasin, the aquifers are confined; however semipermeable aquicludes allow aquifers to be interconnected. Although sufficient evidence is not available at this time, aquifer interconnection between the Gaspar through the Sunnyside is projected.

The nearest drinking water wells are Converse Well #1 and Converse Well #2. These wells are within the Florence-Graham water system operated by the Southern California Water Company (SCWC) and are located approximately 0.6 mile southeast of the Gluall site. An additional well, Goodyear #4, operated by SCWC is located approximately 0.5 mile southwest of the site and is offline due to trichloroethylene (TCE) and PCE contamination. This contamination is not suspected of being attributable to the Gluall site because there is not substantial evidence that VOCs were used on site. A nearest well factor of 9 is assigned.

References:

- Aceves, Hank, Southern California Water Company, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, December 2, 2003.
- Aceves, Hank, Southern California Water Company, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, March 3, 2004.
- California Department of Water Resources, California's Groundwater Bulletin No. 118, Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin, February 27, 2004.

9. As of 2003, numerous drinking water wells within 4 miles of the site have had elevated concentrations of VOCs. SCWC's Goodyear #4 well was offline due to concentrations of PCE and TCE exceeding Maximum Contaminant Levels (MCLs) in the water supply. The City of Vernon's Well #18 was offline due to elevated concentrations of perchlorate, 1,2-dichloroethane, and TCE. The City of Huntington Park's Well #15 and Well #17 had concentrations of VOC's exceeding MCLs. Both wells operated by the City of Huntington Park are active and being treated with air stripping and activated carbon. VOC levels are non-detect prior to distribution.

No Level I or Level II concentration values are assigned at this time because there are other suspected sources of VOCs in the vicinity of the Gluall site and VOCs have not been directly observed or documented on site.

References:

- Aceves, Hank, Southern California Water Company, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, December 2, 2003.
- Aceves, Hank, Southern California Water Company, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, March 3, 2004.
- Rigg, Scott, City of Vernon, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, November 25, 2003.

Williams, Jim, City of Huntington Park, Telephone conversation recorded on Contact Report by Denise Leong, WESTON, November 24, 2003.

10. Numerous companies operate groundwater supply wells within 4 miles of the Glull site. The SCWC, City of Vernon Water Department, City of Huntington Park Water Department, Walnut Park Mutual Water Company, Los Angeles Department of Water and Power, City of South Gate Public Works, Maywood Mutual Water Company #1, and Maywood Mutual Water Company #2 were evaluated and together operate a total of 36 wells that serve a population of approximately 4,072,701. The active drinking water well information for these systems and the groundwater apportionment calculations are presented in Table 2.

References:

Aceves, Hank, Southern California Water Company, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, December 2, 2003.

Gonzales, Martin, Walnut Park Mutual Water Company, Telephone conversation recorded on Contact Report by Amanda K. Cohan, WESTON, January 26, 2006.

Hernandez, Ron, City of South Gate, Public Works Department, Telephone conversation recorded on Contact Report by Denise Leong, WESTON, December 2, 2003.

Kiechler, Patricia, Upper Los Angeles, River Area Watermaster, Telephone conversation recorded on Contact Report by Denise Leong, WESTON, December 2, 2003.

Palos, Sergio, Maywood Mutual Water Company #1, Telephone Conversation recorded on Contact Report by Amanda K. Cohan, WESTON, January 26, 2006.

Rickabaugh, Warren, Maywood Mutual Water Company #2, Telephone Conversation recorded on Contact Report by Amanda K. Cohan, WESTON, January 26, 2006.

Rigg, Scott, City of Vernon, Telephone conversation recorded on Contact Report by Michelle Zehr, WESTON, November 25, 2003.

Williams, Jim, City of Huntington Park, Telephone conversation recorded on Contact Report by Denise Leong, WESTON, November 24, 2003.

11. This site is located in an urban area. Wells located within the target distance limit are most likely not used for commercial food crop irrigation, commercial livestock watering, commercial food preparation, or recreational purposes.
12. There are no designated wellhead protection areas in the vicinity of the Glull site.

Table 2: Groundwater Population Apportionment Calculations

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Blended Drinking Water System Purveyor									Total Number of Wells Within Distance Ring	Population Served by Wells Within Distance Ring	Distance-Weighted Population Values (HRS Table 3-12)
Number of Wells Operated by Each Purveyor Within 4 Miles of the Site											
Distance Ring (Miles)	Southern California Water Company - Florence Graham System	City of Vernon	City of Huntington Park	Walnut Park Mutual Water Company	Los Angeles Department of Water And Power	City of South Gate	Maywood Mutual Water Company #1	Maywood Mutual Water Company #2			
0 to .25	0	0	0	0	0	0	0	0	0	0	0
>.25 to 0.5	0	0	0	0	0	0	0	0	0	0	0
>0.5 to 1	2	0	0	0	0	0	0	0	2	8,894	1,669
>1 to 2	4	3	1	0	0	0	0	0	8	35,645	9,385
>2 to 3	0	3	2	2	2	0	0	0	9	47,522	6,778
>3 to 4	0	2	1	0	7	3	2	2	17	101,725	13,060
Total Number of Wells and Imported Water Intakes Supplying Each System									Potential Contamination Factor Value	SUM: 30,892	
	6 wells/ 1 intake	8 wells/ 1 intake	6 wells/ 1 intake	2 wells 1 intake	78 wells 1 intakes	10 wells/ 0 intakes	2 wells/ 1 intake	2 wells/ 1 intake			
Percent Imported Water Supplying Each System										SUM/10: 3,089	
	<40%	18%	<40%	40%	85%	0	20%	40%			
Total Population Served by Each System											
	31,126	45,000	20,000	18,000	3,850,000	96,375	5,500	6,700			
Apportioned Population Served by Each Well											
	31,126/7 = 4,447	45,000/9 = 5,000	20,000/7 = 2,857	18,000/3 = 6,000	(3850000*.15)/78 = 7,404	96,357/10 = 9,636	5,500/3 = 1,833	6,700/3 = 2,233			

Pages 9-56 redacted
pursuant to FOIA ex 9